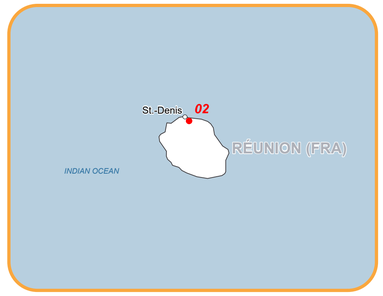
GLIDE number: TC-2025-000023-REU
Int. Charter Act. ID: N/A

GDACS ID: N/A
Product version: 1

EMSR790 - AOI02
Storm in La Reunion, France
SAINT DENIS

Situation as of 02/03/2025 06:42 UTC

Grading - Overview map 01



Flood trace 107.0 ha
Landslide 2.2 ha
Tropical Cyclone, Hurricane, Typhoon 4.4 ha

Potentially affected population
~ 2,800

Affected Built-up and Transportations

Road
0.3 km

Built-Up
985 No.

Crisis Information
- Flood trace
- Landslide
- Storm

Built Up Grading
- Damaged
- Possibly damaged

Transportation Grading
- Road, Damaged
- Highway, No visible damage
- Main road, No visible damage
- Airfield runway, No visible damage
- Airfield and Heliport, No visible damage

General Information
- Area of Interest
- Detail map
- Not Analysed

Administrative Boundaries
- Province

Placenames
- Placename

Hydrography
- Lake, River

Event: On 27 February 2025, during the evening when Tropical Cyclone GARANCE made landfall in La Réunion, a Red Alert was declared for the western part of the island from 19:00 UTC. Copernicus EMS Rapid Mapping is requested to provide initial rough estimation of the event, the extent of impacts and damage assessment emergency mapping.

Data sources and analysis:
Pre-event image: WorldView-2 © Maxar Technologies, Inc. (2025), (acquired on 21/09/2024 at 06:23 UTC, resolution 0.5 m).
Post-event image: WorldView-3 © Maxar Technologies, Inc. (2025), (acquired on 02/03/2025 at 06:42 UTC, resolution 0.5 m).
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The thematic layer has been derived from post-event satellite image by means of visual interpretation.

Map produced by IABG released by e-GEOS on the 03/03/2025.

Details on this activation and service conditions available through the QR code or at the link: https://mapping.emergency.copernicus.eu/activations/EMSR790

PROGRAMME OF THE EUROPEAN UNION

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Europe's eyes on Earth

N
0 0.5 1 2 km
WGS 1984 UTM Zone 40S 1:31,000

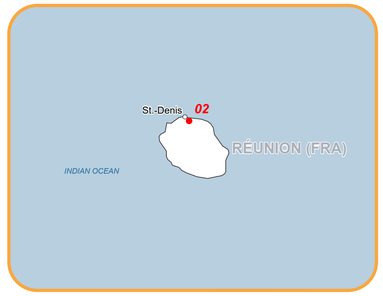
GLIDE number: TC-2025-000023-REU
Int. Charter Act. ID: N/A

GDACS ID: N/A
Product version: 1

EMSR790 - AOI02
Storm in La Reunion, France
SAINT DENIS

Situation as of 02/03/2025 06:42 UTC

Grading - Detail map 02



Crisis Information

Flood trace

Built Up Grading

Possibly damaged

Transportation Grading

Main road, No visible damage

General Information

Area of Interest

Hydrography

Lake, River

Event: On 27 February 2025, during the evening when Tropical Cyclone GARANCE made landfall in La Réunion, a Red Alert was declared for the western part of the island from 19:00 UTC. Copernicus EMS Rapid Mapping is requested to provide initial rough estimation of the event, the extent of impacts and damage assessment emergency mapping.

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Map produced by IABG released by e-GEOS on the 02/03/2025.

Details on this activation and service conditions available through the QR code or at the link: https://mapping.emergency.copernicus.eu/activations/EMSR790

PROGRAMME OF THE EUROPEAN UNION

Copernicus
Europe's eyes on Earth

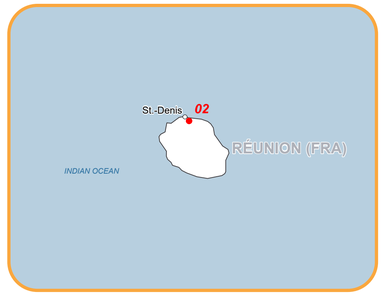
N
0 0.03 0.06 0.12 km
WGS 1984 UTM Zone 40S 1:2,000

GLIDE number: TC-2025-000023-REU
Int. Charter Act. ID: N/A
GDACS ID: N/A
Product version: 1

EMSR790 - AOI02
Storm in La Reunion, France
SAINT DENIS

Situation as of 02/03/2025 06:42 UTC

Grading - Detail map 03



Crisis Information
- Flood trace
- Landslide

Built Up Grading
- Possibly damaged

Transportation Grading
- Road, Damaged
- Main road, No visible damage

General Information
- Area of Interest
- Not Analysed

Event: On 27 February 2025, during the evening when Tropical Cyclone GARANCE made landfall in La Réunion, a Red Alert was declared for the western part of the island from 19:00 UTC. Copernicus EMS Rapid Mapping is requested to provide initial rough estimation of the event, the extent of impacts and damage assessment emergency mapping.

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EMSR790 AOI: 02 Saint Denis Grading

Consequences within the AOI							
	Unit of measurement		Destroyed	Damaged	Possibly damaged*	Total affected**	Total in AOI
Flood trace		ha					107.0
Tropical Cyclone, Hurricane, Typhoon		ha					4.4
Landslide		ha					2.2
Estimated population	Number of inhabitants					~ 2,800	~ 210,000
Built-up	Residential Buildings	No.	0	0	151	151	2,346
	Office buildings	No.	0	0	0	0	26
	Administrative	No.	0	0	0	0	2
	Institutional	No.	0	0	0	0	24
	Police station	No.	0	0	0	0	3
	Fire station	No.	0	0	0	0	3
	Wholesale and retail trade buildings	No.	0	0	7	7	150
	Industrial buildings	No.	0	0	0	0	4
	Public entertainment buildings	No.	0	0	0	0	6
	Museums and libraries	No.	0	0	0	0	10
	School, university and research buildings	No.	0	0	0	0	28
	Hospital or institutional care buildings	No.	0	0	0	0	7
	Other non-residential buildings	No.	0	0	1	1	1
	Non-residential farm buildings	No.	0	0	0	0	134
	Buildings used as places of worship and for religious activities	No.	0	0	0	0	12
	Hotel buildings	No.	0	0	0	0	6
	Communication buildings, stations, terminals and associated buildings	No.	0	0	11	11	33
	Garage buildings	No.	0	0	0	0	1
	Unclassified	No.	0	1	814	815	65,337
Transportation	Airfield runways	ha	0	0	0	0	219.7
	Helipad	ha	0	0	0	0	0.2
	Airfield runways	km	0	0	0	0	17.4
	Highways	km	0	0	0	0	44.6
	Primary Road	km	0	0	0	0	57.3
	Secondary Road	km	0	0.3	0	0.3	85.7
	Local Road	km	0	0	0	0	869.0
	Cart Track	km	0	0	0	0	286.0
Facilities	Settling Basin	ha	0	0	0	0	5.5
	Constructions for mining or extraction	ha	0	0	0	0	2.0
	Power plant constructions	ha	0	0	0	0	8.2
	Sport and recreation constructions	ha	0	0	0	0	74.1
	Long-distance pipelines, communication and electricity lines	km	0	0	0	0	47.3
	Local pipelines and cables	km	0	0	0	0	0.3
Land use	Shrub and/or herbaceous vegetation association	ha				34.9	2,630.1
	Forests	ha				31.4	4,979.3
	Inland wetlands	ha				27.4	1,981.3
	Other	ha				14.1	930.9
	Heterogeneous agricultural areas	ha				5.4	799.5

* Presence of damage proxies and proximity with destroyed/damaged asset
** Sum of all damage classes

Disclaimer:
Full disclaimer and other helpful information available in the online manual:
https://mapping.emergency.copernicus.eu/about/rapid-mapping-manual/
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Data Access:
All data displayed on the map(s), as well as the Physiography and Land Use - Land Cover layers,
are available in the Crisis Information Package and the Base Layer Package (for reference data).
The table above is available in editable format in the Crisis Information Package.
All products and data are also available for download on the portal.

Estimated Population:
Estimated population is based on Copernicus Global Human Settlement Layer (GHSL) dataset.
Additional population datasets and analysis are available in the summary table.

Access to the portal

Data Sources:
Base Vector Layers: OpenStreetMap © OpenStreetMap contributors (2025); Wikimapia.org; GeoNames 2015;
Global Administrative Areas (2012), refined by the producer, Globe Land 30 (2010), Copernicus Global Land Service: Land Cover (2019).
Inset maps: Natural Earth 2023; HydroLAKES 2016 by HydroSHEDS;
© EuroGeographics, © TurkStat. Source: European Commission – Eurostat/GISCO, 2021.
FABDEM (ForestAndBuildingsremovedCopernicusDEM) removes building and tree height biases from the Copernicus GLO 30
Digital Elevation Model (DEM) (Airbus, 2020).

PROGRAMME OF THE EUROPEAN UNION